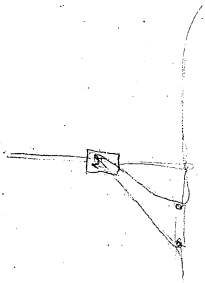
Menlo Park Notebook #108 [N-80-07-02]

This notebook covers the period July 1880. All of the entries are by Edison with the exception of one entry by Francis Upton. Included is a list of possible electrical inventions, two of which -- an electric balloon and an electric railroad to pull canal boats -- are also drawn by Edison in the book. There are also notes on vacuum experiments with lamps, notes on gold deposits in sand, drawings of an ore separator, and calculations by Upton of the amount of copper needed for a central station system. The label on the front cover is marked "T A Edison." The book contains 280 numbered pages.

Blank pages not filmed: 12-25, 32-37, 40-53, 56-83, 86-101, 104-117, 126-127, 132-139, 148-187, 190-195, 198-243, 252-277.



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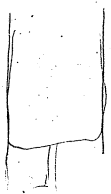
From Library
GENERAL ELECTRIC.
120 Broadway, N.Y.

May 1, 1899

Canal System 1
RR Train System 2
Rock drill, also Rock Tamper 3
Balloon — 4
Transfer power 5
High Speed Telgh RR — 6
System Signals for Electric RR 7
24 inch gauge or canal with E locomotive 8
Canal boats, —
Elevators 9
Submarine, Engine, 10
System Submarine, lighting 11
Submarine Electric Railway, 12
Steering feeler for Ship Helm 13
Lighting Submarine buoys — 14
Emergency kit with 5000 Res meter 15
Motor applied Leather etc glue belts 16

over



Our system Lighting house Electric 17
for Engine to attach our mains
Device Electric fire Engine.

Ice sawing dynamo Engine 18

Portable Electric drill 19

Electric Band & Circular Saw
Combined on one frame with Carriage 20

Electric Well Borer 21

Torpedo

Band Saws

Circular saws

received
JUL 5 1910
3500

2nd. Whether

8 candle light
100 Ohms Resistance
giving 1 C.P. per W.P.
10 lbs. of Cu

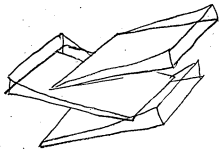
Or 8 of 16 candles
100 Ohms Resistance
20 lbs. Cu. per lamps

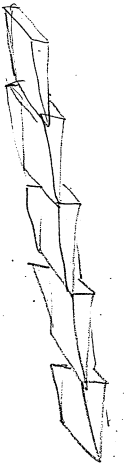
20 lbs. of Cu. per
each lamp

47 cts

July 19. 1880

Turning.





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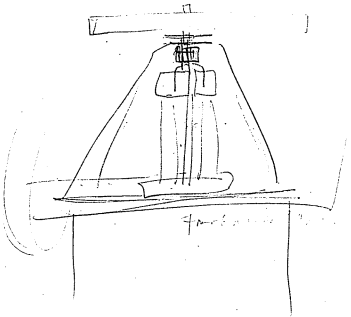
July 9 1850

Electrolysis of Water Experiment



July 7. 80

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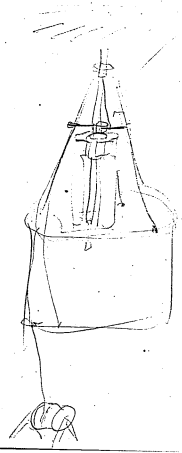

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37

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138

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8000.

1300 / 180 000 / 138

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3900

3900

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36.

3½ lb Coal. 128.

36.

48

13

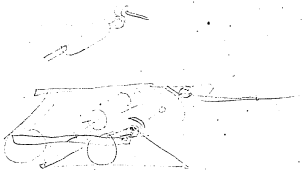
52

3½ / 128 /

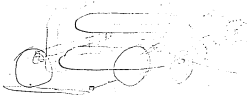
72

108

July 8, 86



July 21 1858



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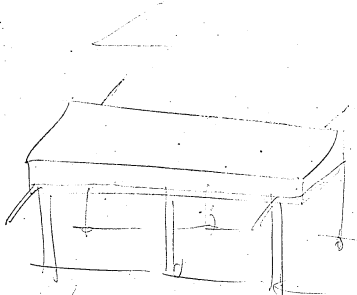
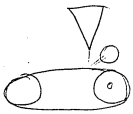
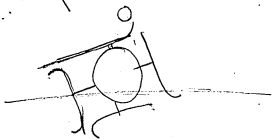
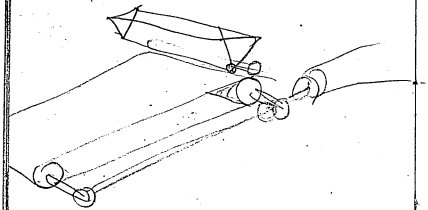
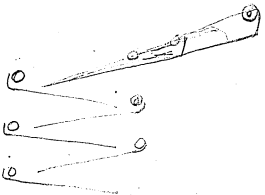


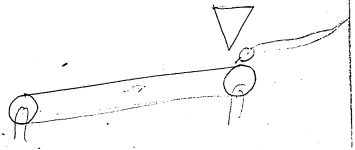
July 7. 80

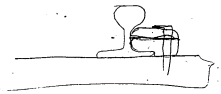


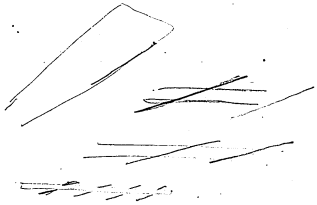


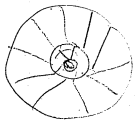




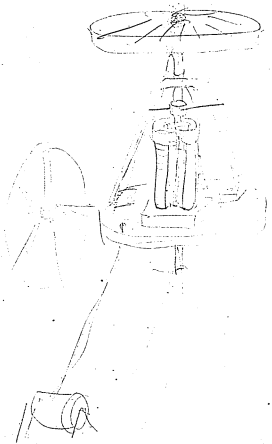








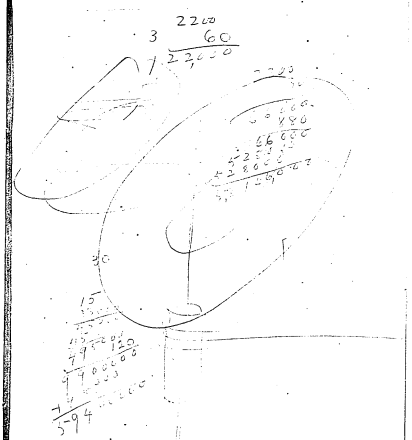
July 7. 80

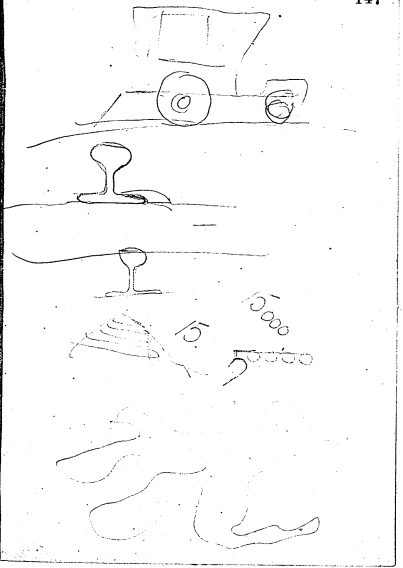


July 7. 80

Fig 14-

Scale 7.80'





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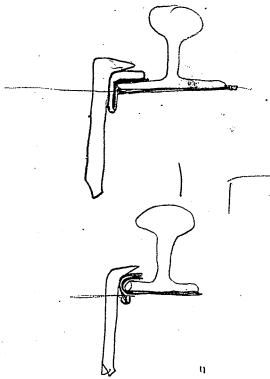

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$\frac{3}{30}$ $\frac{1}{10}$

$\frac{1}{10}$ $\frac{14}{1}$ $\frac{74}{10}$

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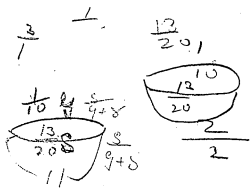

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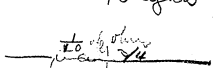

4

$\frac{2}{1} \div \frac{1001}{10000}$

$\frac{30000}{10000} \div \frac{1001}{10000}$

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$20\,000 \quad 350 \quad \frac{19}{350}$

$\frac{2}{1001} \div$

$\frac{10000}{1001}$

$\frac{2}{1001}$

$1001 \overline{)\,.329}$

$\frac{2}{1} \div \frac{1}{10} \quad \frac{20}{10} \; \frac{19}{10}$

$\frac{2}{5} \quad 4 \quad \frac{2}{1}$

$C\frac{\mathcal{E}}{R}$

ohm

$100 \qquad 100^{\sqrt{}} = 4000$

$\frac{10}{0} = \infty$ 2. $\cup$,

$\frac{1}{100000}$ // internal

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2

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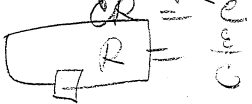
$\frac{1}{10000} + \frac{1000}{10000}$ $\qquad \frac{10}{100000}$

$\frac{1001}{10000}$ $\qquad \frac{10}{1000}$

$\frac{\mathcal{E}}{R}$

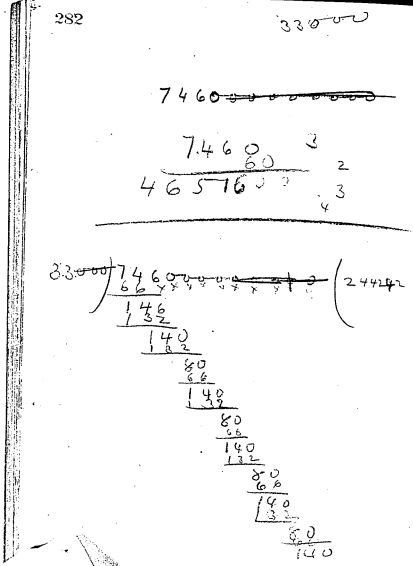
$C \quad \frac{\mathcal{E}}{R}$

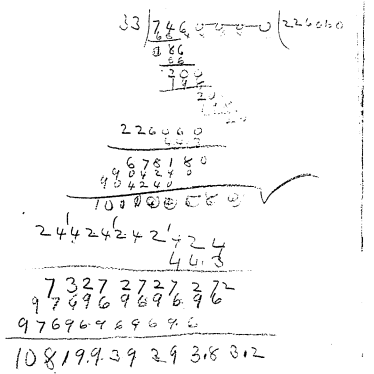
$CR = \frac{\mathcal{E}}{C}$



$\frac{\mathcal{E}}{R} \quad \frac{10}{2} = 20 \quad \frac{12}{1}$

$100 \qquad \frac{10}{0} = \infty$





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